

## IN THE CLAIMS:

Cancel Claim 6 and amend Claims 1 and 7 as follows:

1 (currently amended). A sensor for detecting and/or imaging and/or identifying a component of chemical and/or biological samples contained in or containing fluids, which comprises:

an array of impedance electrode elements;

a fluid-impervious layer separating said elements from said samples so as to prevent electrode fouling and having an inner surface facing said elements and an outer surface on which said samples are placed and which is ~~amenable~~ adapted to the attachment of active elements that can interact with said component or a derivative thereof; and

means for applying electrical interrogating signals to said elements, measuring impedance signals which are generated by said interrogating signals, and converting the resulting signals into impedance patterns,

wherein said surface is treated so as to effectuate selective binding to said surface of specific molecular species or of specific biological particles.

Claim 7, Line 1: In lieu of “6” substitute —1—

IN THE ABSTRACT, Last Line: After “use” insert —of—

## REMARKS

The Office action of November 29, 2005, has been carefully considered and reconsideration of the amended application is earnestly solicited.

The amendments in Pages 3 and 4 of the specification were necessitated by a computer glitch which caused a mismatch between the page and line numbers used in September 2004 and the copy filed in the Patent Office. The page and line numberings in the present amendment were brought to conform with the filed